

4. SUPPORTING INFORMATION

4.1 List of TVA Preparers and Contributors

Judith P. Bartlow, Senior Natural Areas Specialist, Watershed Technical Services, TVA, River Systems Operations and Environment, Resource Stewardship, Regional Natural Heritage Project, Norris, Tennessee (Retired)

Robert E. Buchanan, Jr., Program Administrator, TVA, Navigation, Navigation and Structures Engineering, River Operations, Knoxville, Tennessee

J. Leo Collins, Senior Botanist, Watershed Technical Services, TVA, River Systems Operations and Environment, Resource Stewardship, Regional Natural Heritage Project, Norris, Tennessee

Chellie J. Cook, Clerk/Editor, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Clinch-Powell Watershed Team, Norris, Tennessee

Stephen D. Cottrell, Wildlife Biologist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Norris, Tennessee

Dennis T. Curtin, Program Administrator, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, TVA Regional Natural Heritage Project, Norris, Tennessee

Stanford E. Davis, Environmental Scientist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Morristown, Tennessee

Harold M. Draper, NEPA Specialist, NEPA Administration, Environmental Policy and Planning, Knoxville, Tennessee

James H. Eblen, Economist (Contractor), River System Operations & Environment, Knoxville, Tennessee

Frank B. Edmonson, Senior Land Use Specialist, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Upper Holston Watershed Team, Kingsport, Tennessee

Patricia Bernard-Ezzell, Historian, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Cultural Resources, Norris, Tennessee

Joe C. Feeman, Forester, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Norris, Tennessee

Linda J. Fowler, Land Use Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Clinch-Powell Watershed Team, Norris, Tennessee

Nancy D. Fraley, Natural Areas Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Regional Natural Heritage Project, Norris, Tennessee

Travis Hill Henry, Senior Terrestrial Zoologist, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Regional Natural Heritage Project, Norris, Tennessee

David B. Harrell, Land Use Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Clinch-Powell Watershed Team, Norris, Tennessee

Debra L. Heck, Land Use Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Clinch-Powell Watershed Team, Norris, Tennessee

A. Eric Howard, Archaeologist, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Cultural Resources, Norris, Tennessee

Deborah K. Hubbs, Watershed Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Clinch-Powell Watershed Team, Norris, Tennessee

George M. Humphrey, Land Use Specialist/Recreation Planner, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Norris, Tennessee

Jimmie J. Kelso, Environmental Scientist, Environmental Research and Services, Muscle Shoals, Alabama

Tere C. McDonough, Manager, TVA, River Systems Operations and Environment, Resources Stewardship, Northeast Region, Clinch-Powell Watershed Team, Norris, Tennessee

Roger A. Milstead, Technical Specialist, River Operations, Knoxville, Tennessee

Jason M. Mitchell, Terrestrial Zoologist (Contractor), Watershed Technical Services, TVA Regional Natural Heritage Project, Norris, Tennessee

Norris A. Nielsen, Meteorologist, Environmental Research and Services, Muscle Shoals, Alabama

T. Shannon O'Quinn, Land Use Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Northeast Region, Clinch-Powell Watershed Team, Kingsport, Tennessee

Richard W. Yarnell, Archaeologist, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Cultural Resources, Norris, Tennessee

George E. Peck, Aquatic Biologist, Watershed Technical Services, Norris, Tennessee

Samuel C. Perry, Project Leader, TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Site Planning and Design, Norris, Tennessee (Retired)

Larry R. Pounds, Botanist (Contractor), TVA, River Systems Operations and Environment, Resource Stewardship, Watershed Technical Services, Regional Natural Heritage Project, Norris, Tennessee

Tim D. Pruitt, Land Use Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Clinch-Powell Watershed Team, Norris, Tennessee

Wayne H. Schacher, Zoologist/Wildlife Biologist (Contractor), TVA, River Systems Operation and Environment, Resource Stewardship, Watershed Technical Services, Regional Natural Heritage Project, Norris, Tennessee (Retired)

Peggy W. Shute, Senior Aquatic Biologist/Project Leader, TVA, River Systems Operation and Environment, Resource Stewardship, Watershed Technical Services, Regional Natural Heritage Project, Norris, Tennessee

Deborah K. Smith, Senior Computer Technician, TVA, River Systems Operation and Environment, Resource Stewardship, Geographic Information Systems, Norris, Tennessee

Charles R. Tichy, Historical Architect, TVA, River System Operations and Environment, Resource Stewardship, Watershed Technical Services, Cultural Resources, Norris, Tennessee

William B. Tidwell, Land Use Agent, TVA, River Systems Operation and Environment, Resource Stewardship, Clinch-Powell Watershed Team, Norris, Tennessee

Julie S. Tindell, Watershed Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Clinch-Powell Watershed Team, Norris, Tennessee

Julie S. Tindell, Watershed Specialist, TVA, River Systems Operations and Environment, Resource Stewardship, Clinch-Powell Watershed Team, Norris, Tennessee

Cheryl V. Ward, Project Manager-Environmental, TVA, River System Operations and Environment, Resource Stewardship, Watershed Technical Services, Project and Services, Norris, Tennessee

James F. Williamson, Jr., NEPA Projects Manager, TVA, River System Operations and Environment, Resource Stewardship, Watershed Technical Services, Project and Services, Norris, Tennessee

4.2 List of Agencies and Organizations Consulted

Agencies and persons to which the EA will be sent:

Federal Agencies

National Biological Service
National Park Service
Natural Resource Conservation Service
U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service

State Agencies

Tennessee Department of Economic and Community Development
Tennessee Wildlife Resources Agency
Tennessee Department of Transportation
Tennessee Department of Environment and Conservation
Commissioner's Office
Division of Water Pollution Control
Division of Air Pollution Control
Division of Water Supply
Division of Groundwater Protection
Division of Natural Heritage
Division of State Parks
Tennessee Historical Commission
Tennessee Commission of Indian Affairs
Tennessee Division of Forestry

Regional/Local Agencies

Anderson County Chamber of Commerce
Anderson County Tourism Council
Campbell County Chamber of Commerce
Claiborne County Chamber of Commerce
Lake City Chamber of Commerce
Oak Ridge Chamber of Commerce

Conservation Organizations

Tennessee Conservation League
National Wildlife Federation
National Wild Turkey Federation
Quail Unlimited
Ducks Unlimited

Public Distribution

Four hundred twenty-six people participated in the public meetings, completed a questionnaire, and/or indicated an interest in receiving the Norris Plan.

4.3 Glossary

100-year floodplain	The area inundated by the 1 percent annual chance (or 100-year) flood
agricultural licensing	Some parcels or portions of parcels designated for other purposes or uses may also be suitable for interim agricultural licensing. These parcels have been identified using the criteria contained in TVA's agriculture instruction. Land with extreme erosion potential may not be licensed for agricultural use unless erosion and sediment controls, including the use of BMPs, can be successfully implemented. Further investigation and/or mitigation of adverse impacts to natural or cultural resources may be required prior to approval of license agreements.
attainment areas	Those areas of the U.S. that meet National Ambient Air Quality Standards as determined by measurements of air pollutant levels.
benthic	Refers to the bottom of a stream, river, or reservoir
cumulative impacts	Impacts which result from the incremental impact of the action when added to other past, present, and reasonably foreseeable actions, regardless of what agency or person undertakes such actions (40 C.F.R. §1508.7)
dam reservation	Land generally maintained in a park-like setting by TVA to protect the integrity of the dam structure, hydroelectric facilities, and navigation lock. The reservation also provides for public visitor access to the TVA dam facilities and recreation opportunities, such as public boat access, bank fishing, camping, and picnicking.
deciduous trees	Trees which shed their leaves at the end of the growing season
direct impacts	Effects which are caused by the action and occur at the same time and place (40 C.F.R. § 1508.4).
dissolved oxygen	The oxygen dissolved in water necessary to sustain aquatic life. It is usually measured in milligrams per liter or parts per million.
Drawdown	Area of reservoirs exposed between full summer pool and minimum winter pool levels during annual drawdown of the water level for flood control.
Dredging	The removal of material from an underwater location, primarily for deepening harbors and waterways.
Embayment	A bay or arm of the reservoir
emergent wetland	Wetlands dominated by erect, rooted herbaceous plants, such as cattails and bulrush.
endangered species	Any species in danger of extinction throughout all or a significant portion of its range or territory.
fecal coliform	Common intestinal bacteria in human and animal waste.
Floodplains	Any land area susceptible to inundation by water from any source by a flood of selected frequency. For purposes of the National Flood Insurance Program, the floodplain, as a minimum, is that area subject to a 1 percent or greater chance of flooding (100-year flood) in any given year.

flowage easement tracts	Non-TVA lakeshore properties where TVA has (1) the right to flood the land as part of its reservoir operations, (2) no rights for vegetation management, and (3) the authority to review plans for the construction of structures under Section 26a of the TVA Act.
Forecast System	The process used for planning the use of TVA public land. TVA staff would provide a record of actual and prospective uses indicated for particular properties. A Forecast record book was prepared for each TVA reservoir to serve as a general guide for use or development to benefit TVA staff interests and the local or regional economy. Decisions on the best use of the property were made, using internal agency expertise. The new land use planning process will eventually replace the Forecast as the mechanism for identifying acceptable uses of TVA public land. A major difference between the two methods is the involvement of the public in the planning process.
Fragmentation	The process of breaking up a large area of relatively uniform habitat into one or more smaller, disconnected areas.
indirect impacts	Effects which are caused by the action and are later in time or farther removed in distance but are still reasonably foreseeable (40 C.F.R. § 1508.4).
macroinvertebrates	Aquatic insects, snails, and mussels whose species, genus, etc., can be determined with the naked eye.
mainstream reservoirs	Impoundments created by dams constructed across the Tennessee River.
marginal strip	The narrow strip of land owned by TVA between the water's edge and the adjoining private property, on which the property owner may construct private water use facilities upon approval of plans by TVA.
maximum shoreline contour	An elevation typically 5 feet above the top of the gates of a TVA dam. It is often the property boundary between TVA marginal strip property and adjoining private property.
National Ambient Air Quality Standards	Uniform, national air quality standards established by the Environmental Protection Agency that restrict ambient levels of certain pollutants to protect public health (primary standards) or public welfare (secondary standards). Standards have been set for ozone, carbon monoxide, particulates, sulfur dioxide, nitrogen, nitrogen dioxide, and lead.
National Environmental Policy Act (NEPA)	Legislation signed into law in 1970 which, among other provisions, requires U.S. government agencies to prepare environmental reviews on proposed policies, procedures, plans, approvals, and other proposed federal actions. Approval of a private water use facility or sale of an easement to use federal land are examples of federal actions subject to NEPA.
neotropical migrant birds	Birds which nest in the U.S. or Canada and migrate to spend the winter in Mexico, Central America, the Caribbean, or South America.
Physiographic provinces	General divisions of land with each area having characteristic combinations of soil materials and topography.

prime farmland	Generally regarded as the best land for farming. These areas are flat or gently rolling and are usually susceptible to little or no soil erosion. Prime farmland produces the most food, feed, fiber, forage, and oil seed crops with the least amount of fuel, fertilizer, and labor. It combines favorable soil quality, growing season, and moisture supply and, under careful management, can be farmed continuously and at a high level of productivity without degrading either the environment or the resource base. Prime farmland does not include land already in or committed to urban development, roads, or water storage.
Reservoir Operations tracts	<p>Prior to the reservoir land planning process (1979), TVA made land use decisions based on a Forecast approach. The term <i>Reservoir Operations</i> was used to identify specific TVA public land where the field district manager had been given the authority by the Board to approve or deny minor shoreline alterations requested by adjacent private landowners. In cases where property owners had no rights of ingress or egress across TVA property, but owned land adjacent to a Reservoir Operations tract, the agency could provide a letter permit allowing the property owner the right to construct preapproved private shoreline improvements.</p> <p>During TVA's formative years (1930s and 1940s) when public land was more abundant, the agency wanted to assist in providing recreation access to the reservoir wherever feasible. Reservoir Operation tracts provide this opportunity and are disbursed throughout the entire TVA reservoir system.</p>
riparian zone	An area of land that has vegetation or physical characteristics reflective of permanent water influence. Typically a streamside zone or shoreline edge.
Riprap	Stones placed along the shoreline for bank stabilization and other purposes.
Riverine	Having characteristics similar to a river.
sawtimber	Refers to the size of a tree. A hardwood tree that is 11 inches or greater in diameter is classified as sawtimber size. Pine trees nine inches or greater in diameter is classified as sawtimber size.
Section 26a review process	Section 26a of the TVA Act requires TVA review and approval of plans for obstructions, such as docks, fills, bridges, outfalls, water intakes, and riprap before they are constructed across, in, or along the Tennessee River and its tributaries. Applications for this approval are coordinated appropriately within TVA and USACE. The appropriate state water pollution control agency must also certify that the effluent from outfalls meets the applicable water quality standards.
scrub-shrub -	Woody vegetation less than about 20 feet tall. Species include true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions.
shoreline	The line where the water of a TVA reservoir meets the shore when the water level is at the normal summer pool elevation.
Shoreline Management Zone	A barrier of permanent vegetation established or left undisturbed around a reservoir in order to buffer the adverse impacts resulting from development and increased human activity.

Stratification	The seasonal layering of water within a reservoir due to differences in temperature or chemical characteristics of the layers.
Substrates	The base or material to which a plant is attached and from which it receives nutrients.
summer pool elevation	The normal upper level to which the reservoirs may be filled. Where storage space is available above this level, additional filling may be made as needed for flood control.
tributary reservoirs	Impoundments created by dams constructed across streams and rivers that eventually flow into the Tennessee River.
turbidity	All the organic and inorganic living and nonliving materials suspended in a water column. Higher levels of turbidity affect light penetration and typically decrease productivity of water bodies.
upland	The higher parts of a region, not closely associated with streams or lakes.
wetlands (as defined in TVA Environmental Review Procedures)	“Wetlands are those areas inundated by surface or ground water with a frequency sufficient to support and under normal circumstances do or would support a prevalence of vegetation or aquatic life that requires saturated or seasonably saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas, such as sloughs, potholes, wet meadows, mud flats, and natural ponds.”

4.4 Acronyms and Abbreviations

APE	Area of Potential Effect
ARPA	Archaeological Resources Protection Act
Board	TVA Board of Directors
BMPs	Best Management Practices
cfs	cubic feet per second
CPWT	Clinch-Powell Watershed Team
CRM	Clinch River Mile
°C	Degrees Celsius
°F	Degrees Fahrenheit
DO	dissolved oxygen
EA	Environmental Assessment
EIS	Environmental Impact Statement
Forecast	Forecast System
HUCs	hydrologic unit codes
IBI	Index of Biotic Integrity
MOA	Memorandum of Agreement
msc	maximum shoreline contour
msl	mean sea level
Loyston	Loyston Point Recreation Area
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
Norris Plan	Norris Reservoir Land Management Plan
NRHP	National Register of Historic Places
PRM	Powell River Mile
PSD	Prevention of Significant Deterioration
RFAI	Reservoir Fish Assemblage Index
SAHI	Shoreline Aquatic Habitat Index
SCS	Soil Conservation Service
SFI	Sport Fishing Index
SHPO	State Historic Preservation Officer
SMI	Shoreline Management Initiative
SMP	Shoreline Management Policy
SMZ	Shoreline Management Zone
TDEC	Tennessee Department of Environment and Conservation
TMDL	Total Maximum Daily Load
TVA	Tennessee Valley Authority
TWRA	Tennessee Wildlife Resources Agency
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service

4.5 Literature Cited

- Amundsen, C. C. 1994. "Reservoir Riparian Zone Characteristics in the Upper Tennessee River Valley," in: *Wetlands of the Interior Southeastern United States*. Kluwer Academic Press, pp. 273-297.
- Choate, J. R., J. K. Jones, Jr., and C. Jones. 1994. *Handbook of Mammals of the South-Central States*. LSU Press. Baton Rouge, LA. 304 pp.
- DuVall, Glyn. 1995. *An Archaeological and Historic Assessment of the Route 1090 Bridge Over Hunting Creek (L.M.5.45), Union County, Tennessee*. Submitted to Neel-Schaffer, Inc., Nashville.
- Etnier, D. A., and W. C. Starnes. 1993. *The Fishes of Tennessee*. The University of Tennessee Press, Knoxville.
- Froeschauer, John, Peggy Froeschauer, and Charles Stripling. 1986. *Archaeological Survey of State-Owned Lands*. Tennessee Department of Conservation, Division of Archaeology, Report of Investigations No. 3. Nashville.
- Greene, Lance. 1995. *Phase II Testing of Ten Archaeological Sites and Five Rock Shelters in the Proposed State Route 32 (U.S. Route 25E) Right-of-Way, from 0.8 km North of Indian Creek to 1.6 km North of the Powell River, Claiborne and Grainger Counties, Tennessee*. Submitted by the University of Tennessee Transportation Center, Knoxville. Submitted to Neel-Schaffer Inc., Nashville.
- Greenwald, L. N. 1977. *Endangered and Threatened Wildlife and Plants. Final Threatened Status and Critical Habitat for Five Species of Southeastern Fishes*. Federal Register, Vol. 42, No. 175. Friday, September 9, 1977. 6 pp.
- Harvey, M. J. 1992. *Bats of the Eastern United States*. Arkansas Game and Fish Commission/United States Fish and Wildlife Service/Tennessee Technological University. 46 pp.
- Hickman, G. D., and T. A. McDonough. 1995. *Assessing the Reservoir Fish Assemblage Index - A Potential Measure of Reservoir Quality*. Publication in Proceeding of Third National Reservoir Symposium, June 1995, American Fisheries Association. D. DeVries, editor.
- Hickman, Gary D. 1999. *Sport Fishing Index (SFI) - A Method to Quantify Sport Fishing Quality*. Tennessee Valley Authority, Resource Stewardship, Norris, Tennessee. Unpublished report. 24 pp.
- Juchniewicz, Joanne, Richard Alvey, Henry McKelway, Lance Greene, and Noeleen McIlvenna. 1994. *Phase I Archaeological Reconnaissance Survey for Cultural Resources in the Proposed State Route 32 Realignment Right-of-Way, Claiborne and Grainger Counties, Tennessee*. Submitted by the University of Tennessee Transportation Center, Knoxville. Submitted to Chester IDE Associates, Inc., Nashville.

- Karr, J. R., and D. R. Dudley. 1981. *Ecological Perspective on Water Quality Goals*. Environmental Management, 5:55-68.
- Nicholson, C. P. 1997. *Atlas of the Breeding Birds of Tennessee*. The University of Tennessee Press. Knoxville, Tennessee. 426 pp.
- Petranka, J. W. 1998. *Salamanders of the United States and Canada*. Smithsonian Institution Press. Washington, D.C. 587 pp.
- Pietak, Lynn, Ray Ezell, and Jeffrey Holland. 1999. *Phase I Archaeological Survey of Norris Lake, Anderson, Campbell, Claiborne, Grainger, and Union Counties, Tennessee* (Volume 1 and 2). Submitted by TRC Garrow and Associates to the Tennessee Valley Authority.
- Redmond, W. H., and A. F. Scott. 1996. *Atlas of Amphibians in Tennessee*. Miscellaneous Publication No. 12. Austin Peay State University, Clarksville, Tennessee. 94 pp.
- Shute, P. W., D. A. Etnier, R. D. Bivens, C. F. Saylor. In Press. "Fishes," in: *Tennessee's Rare Vertebrates*. Tennessee Wildlife Resources Agency Publication.
- Tennessee Department of Environment and Conservation. 1998. *The Status of Water Quality in Tennessee: 1998 305(b) Report*. Division of Water Pollution Control, Nashville, Tennessee. 65 pp.
- Tennessee Valley Authority. 1940. *The Norris Project*. Knoxville, Tennessee.
- , 1954. Engineering Data: *TVA Water Control Projects and Other Major Hydro Developments in the Tennessee and Cumberland Valleys*. Technical Monograph No. 55, Vol. 1.
- , 1979. *Precipitation in the Tennessee River Basin*. TVA Annual Report. Knoxville, Tennessee.
- , 1983. *TVA Instruction IX Environmental Review Procedures for Compliance with National Environmental Policy Act*. Federal Register, 48 FR 19264.
- , 1990. *Tennessee River and Reservoir System Operation and Planning Review*. Final Environmental Impact Statement. 198pp.
- , 1996. *Biological and Water Quality Responses in Tributary Tailwaters to Dissolved Oxygen and Minimum Flow Improvements*. Primary authors: Edwin M. Scott, Jr., Kenny D. Gardner, Dennis S. Baxter, and Bruce L. Yeager. TVA Water Management, Environmental Compliance, Norris, Tennessee.
- , 1997. *Aquatic Ecological Health Determinations for TVA Reservoirs—1996*. Primary authors/editors Don L. Dycus and Dennis L. Meinert. TVA Water Management, Clean Water Initiative, Chattanooga, Tennessee.
- , 1999a. *Shoreline Management Initiative: An Assessment of Residential Shoreline Development Impacts in the Tennessee Valley*. Volume 1 - Final Environmental Impact Statement (April 1999). TVA public land Management, Norris, Tennessee.

- , 1999b. *Aquatic Ecological Health Determinations for TVA Reservoirs—1998. An Informal Summary of 1998 Vital Signs Monitoring Results and Ecological Health Determination Methods*. Primary authors/editors: Don L. Dycus, Dennis L. Meinert, and Tyler F. Baker. TVA Water Management, Clean Water Initiative, Chattanooga, Tennessee.
- , 1999c. *TVA Flood Control Storage Loss Guideline* (revised). Tennessee Valley Authority, Knoxville, Tennessee.
- , 2000a. *Davis Creek Management Unit - Norris Reservoir - Resource Management Plan and Environmental Assessment*. Please finish this reference.
- , 2000b. *Aquatic Ecological Health Determinations for TVA Reservoirs—1999. An Informal Summary of 1999 Vital Signs Monitoring Results and Ecological Health Determination Methods*
- Tennessee Wildlife Resources Agency. 1999a. *Tennessee Reservoir Creel Survey - 1998*. Primary author Stephen Malvestuto, KGN Consulting, Inc. Fisheries Report 99-39. Tennessee Wildlife Resources Agency, Nashville, Tennessee.
- , 1999b. *Norris Reservoir Annual Report - 1998*. Primary authors Douglas C. Peterson and James A. Negus. Fisheries Report 99-9. Tennessee Wildlife Resources Agency, Talbott, Tennessee.
- U.S. Department of Agriculture, Forest Service. 1969. *A Forest Atlas of the South*. Southern Experiment Station, New Orleans, Louisiana; Southeastern Forest Experiment Station, Asheville, North Carolina. 27pp.
- U.S. Environmental Protection Agency, Office of Noise Abatement and Control. 1974. *Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety*, Bulletin 118.
- U.S. Fish and Wildlife Service. 1983. *Slender Chub Recovery Plan*. U.S. Fish and Wildlife Service, Atlanta, Georgia. 34 pp.
- Webb, William. 1938. *An Archaeological Survey of the Norris Basin in Eastern Tennessee*. Bureau of American Ethnology.
- Whitaker, J. O, Jr., and W. J. Hamilton, Jr. 1998. *Mammals of the Eastern United States* (3rd Ed). Cornell University Press. Comstock Publishing Associates. Ithaca, New York. 583 pp.
- White, S. T. 1975. *The Influence of Piers and Bulkheads on the Aquatic Organisms in Lake Washington*. M.S. thesis, University of Washington, Seattle.
- Wilson, L. A. 1995. *Land Manager's Guide to the Amphibians and Reptiles of the South*. The Nature Conservancy, SE Region. Chapel Hill, North Carolina. 324 pp.